

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,266,354 B2
APPLICATION NO. : 09/888795
DATED : September 4, 2007
INVENTOR(S) : Jian et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page showing the illustrative figure should be deleted to be replaced with the attached title page.

The drawing sheet, consisting of Fig. 4, should be deleted to be replaced with the drawing sheet, consisting of Fig. 4, as shown on the attached pages.

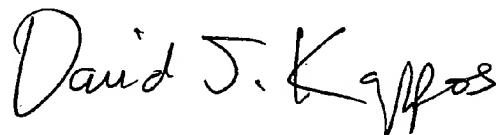
In Column 7, Line 42, delete “6½%” and insert -- 6½ --, therefor.

In Column 9, Line 23, in Claim 10, before “sample” delete “the” and insert -- a --, therefor.

In Column 12, Line 13, in Claim 32, delete “(COMA)” and insert -- (CDMA) --, therefor.

Signed and Sealed this

Eighteenth Day of May, 2010



David J. Kappos
Director of the United States Patent and Trademark Office

(12) United States Patent
Jian et al.(10) Patent No.: US 7,266,354 B2
(45) Date of Patent: Sep. 4, 2007

(54) REDUCING THE PEAK-TO-AVERAGE POWER RATIO OF A COMMUNICATION SIGNAL

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1451 days.

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(65) Prior Publication Data

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(52) U.S. Cl. 455/245.2; 455/251.1; 455/245.1

(58) Field of Classification Search 455/67.13, 455/556.1, 114.3, 144, 194.2, 211, 245.1, 455/245.2, 251.1, 256; 375/396; 342/373; 327/356

See application file for complete search history.

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(57) ABSTRACT

Systems and methods are provided for reducing the peak to average ratio of signals, so that the signals can be amplified more efficiently. An error signal that corresponds to crests of the input signal is generated, and subtracted from the input signal. When a crest is so long that it corresponds to more than one sample, only the maximum sample contained in the crest is used to form the error signal. Optionally, multiple stages of decresting may be implemented sequentially.

36 Claims, 9 Drawing Sheets

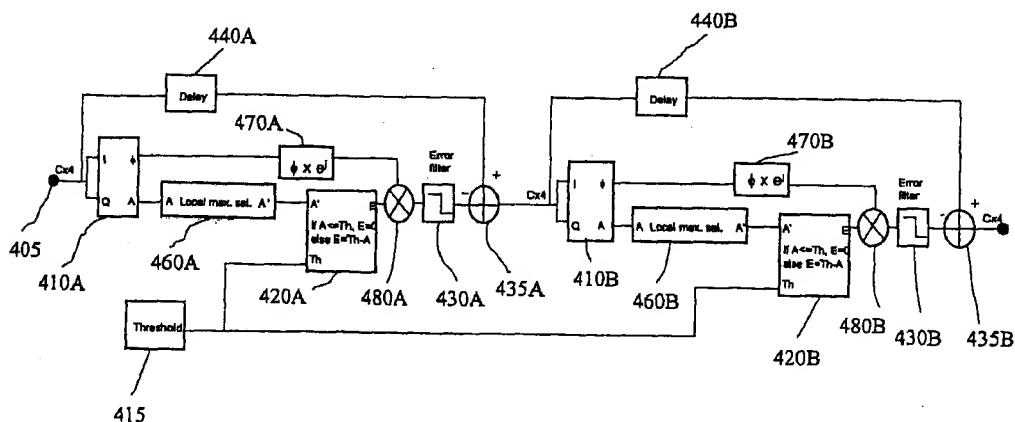


Figure 4

